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AMSAT NEWS SERVICE SPECIAL BULLETIN
ANS-337

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:
ans-editor at amsat.org.

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see:
http://www.amsat.org/mailman/listinfo/ans

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SB SAT @ AMSAT $ANS-337
ANS-337 AMSAT News Service Special Bulletin

AMSAT News Service Bulletin 337.01
 From AMSAT HQ KENSINGTON, MD.
DATE December 2, 2020
To All RADIO AMATEURS
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Launch Window for AMSAT's RadFxSat-2 / Fox-1E Opens December 19th

Virgin Orbit has announced that the launch window for their LauncherOne Launch Demo 2 mission opens on December 19th. This launch will carry AMSAT's RadFxSat-2 / Fox-1E to orbit.

RadFxSat-2, like RadFxSat / Fox-1B, now AMSAT-OSCAR 91, is a partnership opportunity between Vanderbilt University and AMSAT and will carry a similar radiation effects experiment, studying new FinFET technology.

RadFxSat-2 is the fifth and final Fox-1 satellite built by AMSAT. The RadFxSat-2 spacecraft bus is built on the Fox-1 series but features a linear transponder “upgrade” to replace the standard FM transponder in Fox-1A through D. In addition, the uplink and downlink bands are reversed from the previous Fox satellites in a Mode V/u (J) configuration using a 2 meter uplink and 70 cm downlink. The downlink features a 1200 bps BPSK telemetry channel to carry the Vanderbilt science data in addition to a 30 kHz wide transponder for amateur radio use. Telemetry and experiment data can be decoded using FoxTelem version 1.09 or later. FoxTelem is available at https://www.amsat.org/foxtelem-software-for-windows-mac-linux/.

Participation in telemetry collection by as many stations in as many

parts of the world as possible is essential as AMSAT Engineering looks for successful startup and indications of the general health and function of the satellite as it begins to acclimate to space. AMSAT will send a commemorative 3D printed QSL card to the first station capturing telemetry from RadFxSat-2.

RadFxSat-2 / Fox-1E Frequencies:

Telemetry Downlink - 435.750 MHz
Inverting Linear Transponder Uplink - 145.860 MHz - 145.890 MHz
Inverting Linear Transponder Downlink - 435.760 MHz - 435.790 MHz

[ANS thanks AMSAT for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. President's Club donations may be made at https://tinyurl.com/ANS-PresClub.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status.

Join AMSAT today at https://launch.amsat.org/

73 and remember to help Keep Amateur Radio in Space,

This week's ANS Contributing Editor,

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